



ORIGINAL SIGNED & SEALED BY
N.Y. P.E. (OR R.A.)

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I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. 077 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 11/16/98 Stephen A. Nelson
SPEC. WRITER

DATE 4/10/98 P.K. Juarez
ENGINEER OF DESIGN

No.	Date	Revision	Approved
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The
World
Trade
Center

STANDBY POWER
5 WORLD TRADE CENTER

COMMUNICATIONS

FIRE ALARM SYSTEM AND RISER DIAGRAM

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and
may not be used without its written consent.

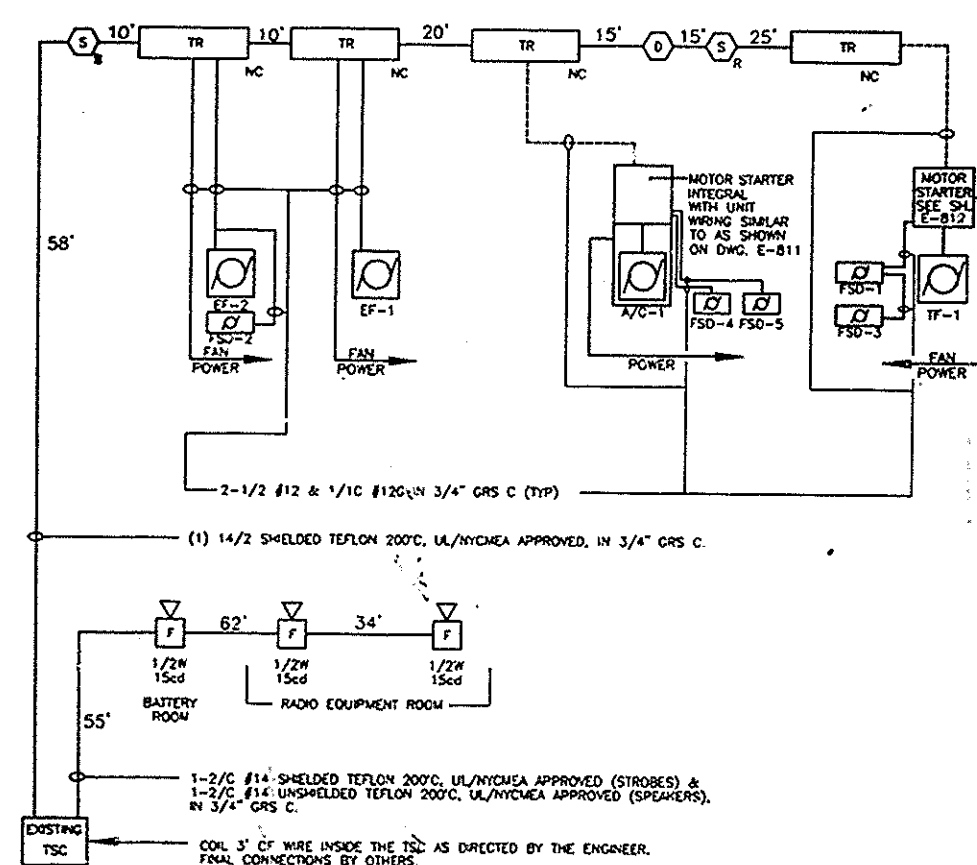
<u>D.S.</u>	<u>D.S.</u>	<u>D.S.</u>
Designed by	Drawn by	Checked by

Date _____ Sent AS NOTED _____

Contract Number	Drawing Number
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WTC-945.071 E-81

NOTE: ALL PROGRAMMABLE/ADDRESSABLE DEVICES SHALL BE PROGRAMMED BY OTHERS



SEQUENCE OF OPERATION

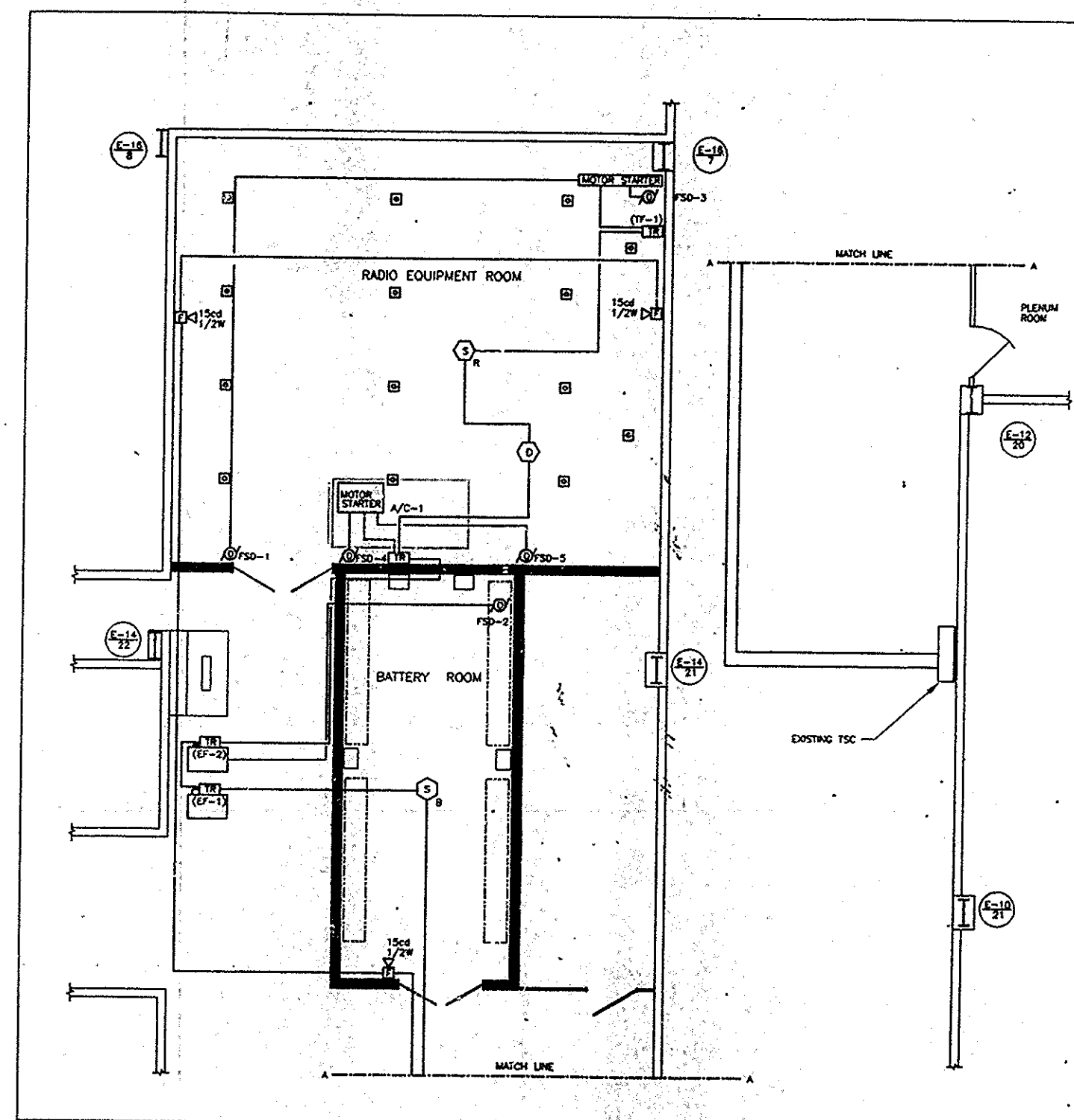
- ANY DETECTOR OPERATION (ALARM) SHUTS DOWN ALL FANS (EF-1, EF-2, TF-1, AND A/C-1) AND CLOSES ALL FIRE SMOKE DAMPERS FSD-1 THROUGH FSD-5 VIA TR ADDRESSABLE INTERFACES.
- ALL EVENTS REPORT TO BASE BUILDING FIRE ALARM SYSTEM VIA DIRECT CONNECTION (FROM EXISTING TSC CABINET).

FIRE ALARM SYSTEM RISER DIAGRAM (NOT TO SCALE)

NOTE: ALL CIRCUIT LENGTHS ARE APPROXIMATE

STROBE CIRCUIT	TYPE STROBE	# STROBES/CIRCUIT	CURRENT EA. @ 24VDC	TOTAL CURRENT/ STROBE CIRCUIT
NUMBER 1	15	3	0.063A	0.189A

SPEAKER CIRCUIT	WATTAGE TAP	QUANTITY	TOTAL WATTS
NUMBER 1	1/2 W	3	1 1/2W



FIRE ALARM SYSTEM

0 2 4 6
SCALE IN FEET